

## ER-2 #806 08/01/14

Aircraft: [ER-2 - AFRC #806](#) ([See full schedule](#))

Flight Number: 14-6064

Payload Configuration: MABEL, ACATS, CPL, APS

Nav Data Collected: Yes

Total Flight Time: 8.7 hours

Submitted by: Timothy Moes on 08/06/14

Flight Segments:

From:	Ladd Army Airfield (PAFB)	To:	PMD
Date:	08/01/14		
Flight Time:	8.7 hours		
Log Number:	<a href="#">142018</a> - Completed as of this flight.	PI:	William Cook
Funding Source:	Thorsten Markus - NASA - SMD - ESD ICESat-2 Project Scientist		
Purpose of Flight:	Science		
Comments:	This mission included transit & science targets to Palmdale. The aircraft proceeded directly south to the first buoy target over the Pacific. This target and the subsequent buoy/platform target near Morro Bay were obscured somewhat with clouds. All land targets were clear with the exception of wildfire smoke, which was the intent to support the ACATS sensor. The MABEL sensor had two faults early in the flight but as the altitude temps decreased over the CONUS, MABEL stabilized with no further faults. The aircraft returned in good shape. EMI continues to effect the auto-pilot yaw channel so the yaw channel is turned off during science lines. CPL and ACATS performed nominally. Inmarsat was turned off for the entire mission as planned.		

### Flight Hour Summary:

	<b>142018</b>
Flight Hours Approved in SOFRS	65
Total Used	74.5
Total Remaining	-9.5

### 142018 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
<a href="#">07/10/14</a>	14-6053	Check	3.1	3.1	61.9	
<a href="#">07/11/14</a>	16-6054	Science	7.4	10.5	54.5	
<a href="#">07/16/14</a>	16-6055	Science	6.8	17.3	47.7	
<a href="#">07/17/14</a>	16-6056	Science	8	25.3	39.7	
<a href="#">07/21/14</a>	14-6057	Science	6.8	32.1	32.9	
<a href="#">07/22/14</a>	14-6058	Science	7.3	39.4	25.6	
<a href="#">07/24/14</a>	14-6059	Science	4.7	44.1	20.9	
<a href="#">07/27/14</a>	14-6060	Science	4.8	48.9	16.1	
<a href="#">07/29/14</a>	14-6061	Science	7.7	56.6	8.4	
<a href="#">07/30/14</a>	14-6062	Science	5.2	61.8	3.2	
<a href="#">07/31/14</a>	14-6063	Science	4	65.8	-0.8	
<a href="#">08/01/14</a>	14-6064	Science	8.7	74.5	-9.5	

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

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